

### Claims

1. Method for transmitting paging indicators in a cellular telecommunication system employing time division duplex mode,
- 5 in which method information is carried in bursts over the air interface, and in which method paging indicators are carried in data part of certain bursts having at least a data part and a training sequence part,
- characterized** in that
- the transmission level of at least the training sequence part of a burst carrying
- 10 paging indicators has a predefined relation to the transmission level of the training / sequence part of a burst belonging to a channel which is used in measurements of radio link quality.
2. A method according to claim 1, **characterized** in that
- 15 said channel is the primary common control physical channel.
3. A method according to claim 1, **characterized** in that
- said predefined relation is that the transmission level of at least the training sequence part of a burst carrying paging indicators is essentially the same as the
- 20 transmission level of the training sequence part of a burst belonging to said channel.
4. A method in a mobile terminal of a cellular telecommunication network for measuring quality of a radio link between the mobile terminal and a base station of the network,
- 25 which mobile terminal is arranged to employ time division duplex mode and to receive bursts carrying information from the base station, the bursts having at least a data part and a training sequence part, and
- which mobile terminal is arranged to receive paging indicators carried in certain bursts,
- 30 **characterized** in that
- the method comprises steps, in which
- a burst carrying paging indicators is received,
- the reception level of the training sequence part of said burst is measured, and
- a result value indicating the quality of the radio link is determined on the basis of
- 35 said measurement of the reception level of the training sequence part of said burst.

5. A mobile terminal of a cellular telecommunication network,  
which mobile terminal is arranged to employ time division duplex mode and to  
receive bursts carrying information from the base station, the bursts having at least a  
data part and a training sequence part, and  
5 which mobile terminal is arranged to receive paging indicators carried in certain  
bursts,  
**characterized** in that it comprises  
- means for receiving a paging indicator burst,  
- means for measuring the reception level of the training sequence part of said  
10 paging indicator burst, and  
- means for determining a result value indicating the quality of the radio link on the  
basis of the output of said means for measuring.
6. A system in a radio access network of a cellular telecommunication system  
15 employing time division duplex mode,  
in which mode information is carried in bursts over the air interface, and  
in which mode paging indicators are carried in data part of certain bursts having at  
least a data part and a training sequence part,  
**characterized** in that it comprises  
20 means for adjusting the transmission level of at least the training sequence part of a  
burst carrying paging indicators to a certain level,  
said certain level having a predefined relation to the transmission level of the  
training sequence part of a burst belonging to a channel which is used in  
measurements of radio link quality.
- 25 7. A system according to claim 6, **characterized** in that  
said channel is the primary common control physical channel.
8. A system according to claim 6, **characterized** in that  
30 said predefined relation is that the transmission level of at least the training  
sequence part of a burst carrying paging indicators is essentially the same as the  
transmission level of the training sequence part of a burst belonging to said channel.